**Objectives**:

1. Demonstrate your knowledge of each of the following:

* Effects of waves and tides on the Petitcodiac River.
* Process of erosion & deposition related to the Petitcodiac River
* Factors that affect species of the Petitcodiac River.

1. Communicate and create an opinion on ***one*** of the following:
2. A plan to manage the Petitcodiac ecosystem
3. A plan to manage pollution and the Petitcodiac River
4. A plan to manage future recreational development and the Petitcodiac River

**Products**:

1. Research notes and sources posted on class website (50%)
2. Communication plan (90 seconds Internet Ad or a Power Point) (50%)
3. Journal Response (Not marked)

**Timeline**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Introduction  History of Petitcodiac  Tides & Waves | Erosion & deposition | Species | Issues related to one of the following:  Ecosystem management  Pollution management  Recreation management | **No School** |
| **No School** | Final research  Start communication plan (CP)  Outline | CP | CP | Finish & Hand In |

**Research**:

Key words - Petitcodiac River NB Canada

1. History? (Name, who, use, important dates, …)
2. What are tides and waves?
3. What tides or waves affect the Petitcodiac?
4. How do the tides and waves affect the Petitcodiac?
5. What is erosion?
6. How does it happen?
7. How does it affect the Petitcodiac?
8. What is deposition?
9. What causes it?
10. How does it affect the Petitcodiac?
11. What species live in the Petitcodiac?
12. How healthy is the ecosystem?
13. How can the ecosystem be protected?
14. What are the names of local groups working to protect the ecosystem?
15. What are the issues people are concerned about?
16. What is your opinion and why?